IRIS®

DESCRIPTION

Recessed lens wall wash luminaire with 4 inch square aperture utilizing horizontal BT15 tungsten-halogen lamp. Modular platform can be reconfigured from below the ceiling to accept a broad range of lamp modules and optical elements. Platform + module + element combination produces smooth vertical illumination with a minimal downlight component.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Frame
Galvanized steel plaster frame with integral bar hanger receivers. Setscrews provide positive horizontal locking.

Collar
Matte black steel collar adjusts vertically for 1/2" - 1" thick ceilings and can be rotated +/- 7.5° thru the aperture. Integral gun sights facilitate the use of guide strings or laser lines. Shipped with a paint overspray protector installed in the collar.

Lamp Module
Installed or removed thru the aperture or from the top and allows lamp orientation at 0°, 90°, 180° and 270° positions.

Housing
Double wall aluminum housing painted matte black for a visually dark interior. Removable hinged top allows for top access. All fasteners are captive.

Gaskets
Closed cell gaskets achieve restrictive airflow requirements without additional caulking.

Optical Element
Mousetrap type springs pull flange tight to ceiling. Light trap eliminates spill light at edge of flange and reflector. Available in self-flanged or metal trim ring versions. May also be installed rimless using optional plastering lathing ring.

Bar Hangers
Captive preinstalled bar hangers adjusts from 8-1/2" to 24" wide; pass thru feature allows shortening without removal. Captive nail penetrates standard and engineered lumber. Mounting flange levels platform with ceiling. Integral clip attaches directly to t-bar.

Primary Reflector
Miro® segmented upper reflector. Accepts 75W maximum BT15 tungsten-halogen lamp. Will not accept a lower efficacy A19 type lamp.

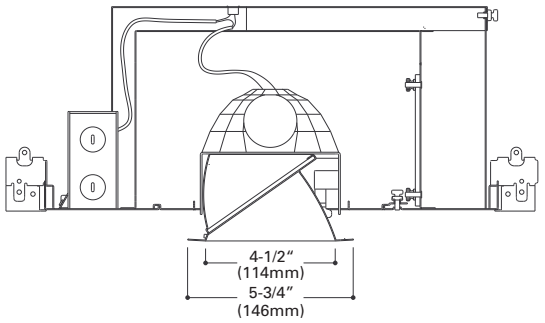
Lower Reflector
Specular aluminum kicker reflector integral with angle cut parabolic shielding prismatoid and glass spread lens provides smooth vertical illumination with a minimal downlight component. Available in a wide range of semi specular Alzak® finishes.

Junction Box
(7) 1/2" trade size pry outs, (3) integral clamps for non-metallic cable. Rated for (4) #12 thru branch circuits. Wago® type push wire connectors for field connections

Thermal Protector
Self-resetting thermal protector protects against improper lamping.

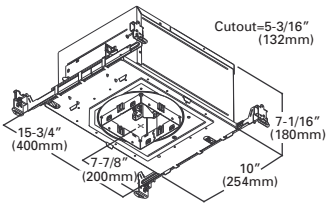
Lamp Socket
Ceramic E26 Edison base mounted to lamp module connects to the platform with electrical quick connects

Code Compliance
Thermally protected, IP labeled, cULus listed for protected wet locations and ASTM-E283 AIRTITE (tm). Suitable for direct contact with insulation.



P408ICAT
MH4BT
E4LWW
75W BT15 Tungsten-Halogen

4 Inch Square Lens Wall Wash



ORDERING INFORMATION: Complete unit consists of platform, lamp module and optical element.

Platform	Lamp Module	Optical Element	Finish	Flange	Accessories
P408ICAT	**MH4BT**				

P408ICAT = 4" Square Aperture IC Housing

MH4BT = BT15 Horizontal Lamp Module

E4LWW = 4" Square Aperture Lower Shielding Prismatoid, Lens Wall Wash

Alzak® Finishes
H = Clear Haze
WMH = Warm Haze
WHH = Wheat Haze
KH = Cognac Haze
GPH = Graphite Haze
CTH = Cobalt Haze
CCH = Chocolate Haze
BH = Black Haze
Painted Finishes
MW = Matte White
MB = Matte Black

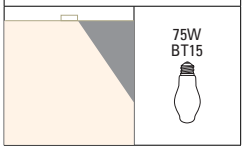
[Blank] = Metal Trim Ring, Matte White
SF = Self Flanged
SFWF = Self Flanged, Matte White Flange

PLR4x4 = Plaster lathing ring for rimless
RLA4x4 = Rimless adapter for solid ceiling surfaces
MTR4MW = Metal trim ring, matte white
MTR4MB = Metal trim ring, matte black
MTR4SN = Metal trim ring, satin nickel
MTR4AC = Metal trim ring, antique copper
MTR4TBZ = Metal trim ring, tuscan bronze

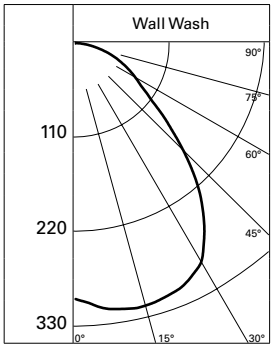
Photometric Results

Efficiency = 37.9%

Test No. P11172
Platform = P406TAT
Element = E4LWWH
Lumens = 1010
Lamp = 75BT15/HAL/W-120V



Candlepower Distribution



Candelas

CD Wall	Vertical Angle
0	90
6	85
33	75
64	65
100	55
177	45
259	35
303	25
312	15
304	5
294	0

Zonal Lumens Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	186	18.4	48.5
0- 40	264	26.2	69.1
0- 60	353	35	92.4
0- 90	382	37.9	100
90-180	0	0	0
0-180	382	37.9	100

Single Unit Footcandles

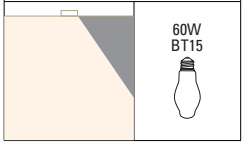
Multiple Unit Footcandles

	2' from wall (distance from fixture along wall)				2' from wall (spacing between fixtures)						2'6" from wall (spacing between fixtures)					
DD	■	1'	2'	3'	■ —— 2' —— ■			■ —— 3' —— ■			■ —— 2' —— ■			■ —— 3' —— ■		
1	12	5	1	0	15	10	15	13	5	13	9	7	9	8	4	8
2	16	9	1	1	21	19	21	17	9	17	14	13	14	11	7	11
3	11	8	3	1	18	19	18	14	11	14	16	16	16	12	10	12
4	7	6	3	1	14	14	14	9	9	9	14	14	14	10	10	10
5	4	3	2	1	10	10	10	7	7	7	11	11	11	7	7	7
6	2	2	2	1	7	7	7	5	5	5	8	8	8	6	6	6
7	2	2	1	1	5	5	5	4	4	4	6	6	6	4	4	4
8	1	1	1	1	4	4	4	3	3	3	5	5	5	3	3	3
9	1	1	1	1	3	3	3	2	2	2	4	4	4	3	3	3
10	1	1	1	1	3	2	2	2	2	2	3	3	3	2	2	2

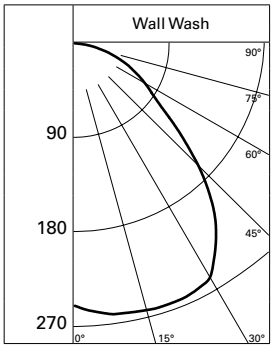
Photometric Results

Efficiency = 39.7%

Test No. P11178
Platform = P406TAT
Element = E4LWWH
Lumens = 840
Lamp = 60BT15/HAL/W-120V



Candlepower Distribution



Candelas

CD Wall	Vertical Angle
0	90
5	85
32	75
62	65
96	55
168	45
233	35
261	25
261	15
255	5
248	0

Zonal Lumens Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	159	18.9	47.5
0- 40	227	27	68
0- 60	307	36.5	91.9
0- 90	334	39.7	100
90-180	0	0	0
0-180	334	39.7	100

Single Unit Footcandles

Multiple Unit Footcandles

	2' from wall (distance from fixture along wall)				2' from wall (spacing between fixtures)						2'6" from wall (spacing between fixtures)					
DD	■	1'	2'	3'	■ —— 2' —— ■			■ —— 3' —— ■			■ —— 2' —— ■			■ —— 3' —— ■		
1	12	4	1	0	14	9	14	13	4	13	9	7	9	7	3	7
2	15	8	2	1	19	17	19	16	8	16	13	12	13	10	7	10
3	10	7	3	1	16	17	16	12	10	12	14	15	14	11	9	11
4	6	5	2	1	12	12	12	8	8	8	12	12	12	8	8	8
5	3	3	2	1	8	8	8	6	6	6	9	9	9	6	6	6
6	2	2	1	1	6	6	6	4	4	4	7	7	7	5	5	5
7	1	1	1	1	4	4	4	3	3	3	5	5	5	4	4	4
8	1	1	1	1	3	3	3	2	2	2	4	4	4	3	3	3
9	1	1	1	0	3	3	3	2	2	2	3	3	3	2	2	2
10	1	0	0	0	2	2	2	2	2	2	3	2	3	2	2	2